

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of the claims in the application:

LISTING OF CLAIMS

Claims 1-9 (Canceled).

10. (Currently Amended) A tool head adapted to receive a cutting insert for chip removal machining, comprising:

a basic holder including an insert holder formed by a lower support part and an upper clamping portion which define therebetween an insert-receiving pocket;

a slot extending through the basic holder at a location spaced from the pocket, wherein the clamping portion is joined to a remaining portion of the basic holder by a hinge portion about which the clamping portion is elastically displaceable toward the lower support part;

a recess extending through the basic holder substantially parallel to the slot and in communication therewith;

a nut roll positioned within the recess; and

a clamping screw extending through the slot and into threaded engagement with the nut roll, a longitudinal axis of said clamping screw oriented perpendicularly to a longitudinal axis of said nut roll, wherein the clamping screw includes a substantially conical head arranged to enter the slot and engage the upper clamping portion to expand the slot and elastically displace the clamping portion about the hinge portion and toward the support part.

11. (Previously Presented) The tool head according to claim 10 wherein the clamping screw forms an angle in the range of 35-90 degrees with a longitudinal direction of the insert-receiving pocket.

12. (Previously Presented) The tool head according to claim 10 wherein the clamping screw passes through a bore formed in the slot, the bore having a conical countersink engaged by the head of the screw.

13. (Previously Presented) The tool head according to claim 10 wherein the recess and the nut roll are substantially cylindrical.

14. (Previously Presented) The tool head according to claim 10 wherein the remaining portion of the basic holder has a first thickness in a direction parallel to the slot, and the support part and the clamping portion each have a second thickness parallel to, and less than, the first thickness.

15. (Previously Presented) The tool head according to claim 10 wherein the insert-receiving pocket transforms into an extension having a shorter height than the insert-receiving pocket.

16. (Previously Presented) The tool head according to claim 10 wherein said pocket terminates in a support surface extending substantially perpendicular to a longitudinal direction of the pocket.

17. (Previously Presented) The tool head according to claim 10 wherein the insert receiving pocket extends transversely relative to the recess, the slot, and the hinge portion.

18. (Previously Presented) The tool head according to claim 10 wherein the recess extends through first and second side surfaces of the basic holder, wherein the second side surface is remote from the insert holder and includes serrations, each serration extending parallel to a direction in which an insert is installed into the insert-receiving pocket.

19. (Previously Presented) The tool head according to claim 18 wherein a portion of the second side surface disposed on the upper clamping portion is free of serrations.

20. (Currently Amended) A metal machining tool comprising a tool head and a cutting insert removably mounted therein, the tool head comprising:

a basic holder including a lower support part and an upper clamping portion defining therebetween an insert-receiving pocket in which the cutting insert is removably mounted, wherein a longitudinal length of the cutting insert is longer than a longitudinal length of the pocket;

a slot extending through the basic holder at a location spaced from the pocket, wherein the clamping portion is joined to a remaining portion of the basic holder by a hinge portion about which the clamping portion is elastically displaceable toward the cutting insert;

a recess extending through the basic holder substantially parallel to the slot and in communication therewith;

a nut roll positioned within the recess; and

a clamping screw extending through the slot and into threaded engagement with the nut roll, a longitudinal axis of said clamping screw oriented perpendicularly to a longitudinal axis of said nut roll, wherein the clamping screw includes a substantially conical head arranged to enter the slot and engage the upper clamping portion to expand the slot and elastically displace the clamping portion about the hinge portion and toward the cutting insert.

21. (Previously Presented) A tool head adapted to receive a cutting insert for chip removal machining, comprising:

a basic holder including an insert holder formed by a lower support part and an upper clamping portion which define therebetween an insert-receiving pocket;

a slot extending through the basic holder at a location spaced from the pocket, wherein the clamping portion is joined to a remaining portion of the basic holder by a hinge portion about which the clamping portion is elastically displaceable toward the lower support part;

a recess extending through the basic holder substantially parallel to the slot and in communication therewith;

a nut roll positioned within the recess;

a clamping screw extending through the slot and into threaded engagement with the nut roll, wherein the clamping screw includes a substantially conical head arranged to enter the slot and engage the upper clamping portion to expand the slot and elastically displace the clamping portion about the hinge portion and toward the support part;

wherein the recess extends through first and second side surfaces of the basic holder, wherein the second side surface is remote from the insert holder and includes serrations, each serration extending parallel to a direction in which an insert is installed into the insert-receiving pocket.

22. (Previously Presented) The tool head of claim 21, wherein a portion of the second side surface disposed on the upper clamping portion is free of serrations.